

Product datasheet for TP321009

SPANXB1 (NM_032461) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens SPANX family, member B1 (SPANXB1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221009 protein sequence Red =Cloning site Green =Tags(s) MGQQSSVRRLKRSVPCESNEANEANEANKTMPETPTGSDPQPAPKKMKTSSESSTILVRYRRNVKRTSP EELVNDHARENRPDQMEEEEFIEITTERPKK TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	11.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_115850
Locus ID:	728695
UniProt ID:	Q9NS25
RefSeq Size:	469
Cytogenetics:	Xq27.1


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RefSeq ORF: 309

Synonyms: B1; CT11.2; SPANX-B; SPANXB; SPANXB2; SPANXF1; SPANXF2

Summary: Temporally regulated transcription and translation of several testis-specific genes is required to initiate the series of molecular and morphological changes in the male germ cell lineage necessary for the formation of mature spermatozoa. This gene is a member of the SPANX family of cancer/testis-associated genes, which are located in a cluster on chromosome X. The SPANX genes encode differentially expressed testis-specific proteins that localize to various subcellular compartments. This particular family member contains an additional 18 nucleotides in its coding region compared to the other family members in the same gene cluster. This family member is also subject to gene copy number variation. Although the protein encoded by this gene contains consensus nuclear localization signals, the major site for subcellular localization of expressed protein is in the cytoplasmic droplets of ejaculated spermatozoa. This protein provides a biochemical marker for studying the unique structures in spermatazoa, while attempting to further define its role in spermatogenesis. [provided by RefSeq, Apr 2014]

Product images:



Coomassie blue staining of purified SPANXB1 protein (Cat# TP321009). The protein was produced from HEK293T cells transfected with SPANXB1 cDNA clone (Cat# [RC221009]) using MegaTran 2.0 (Cat# [TT210002]).